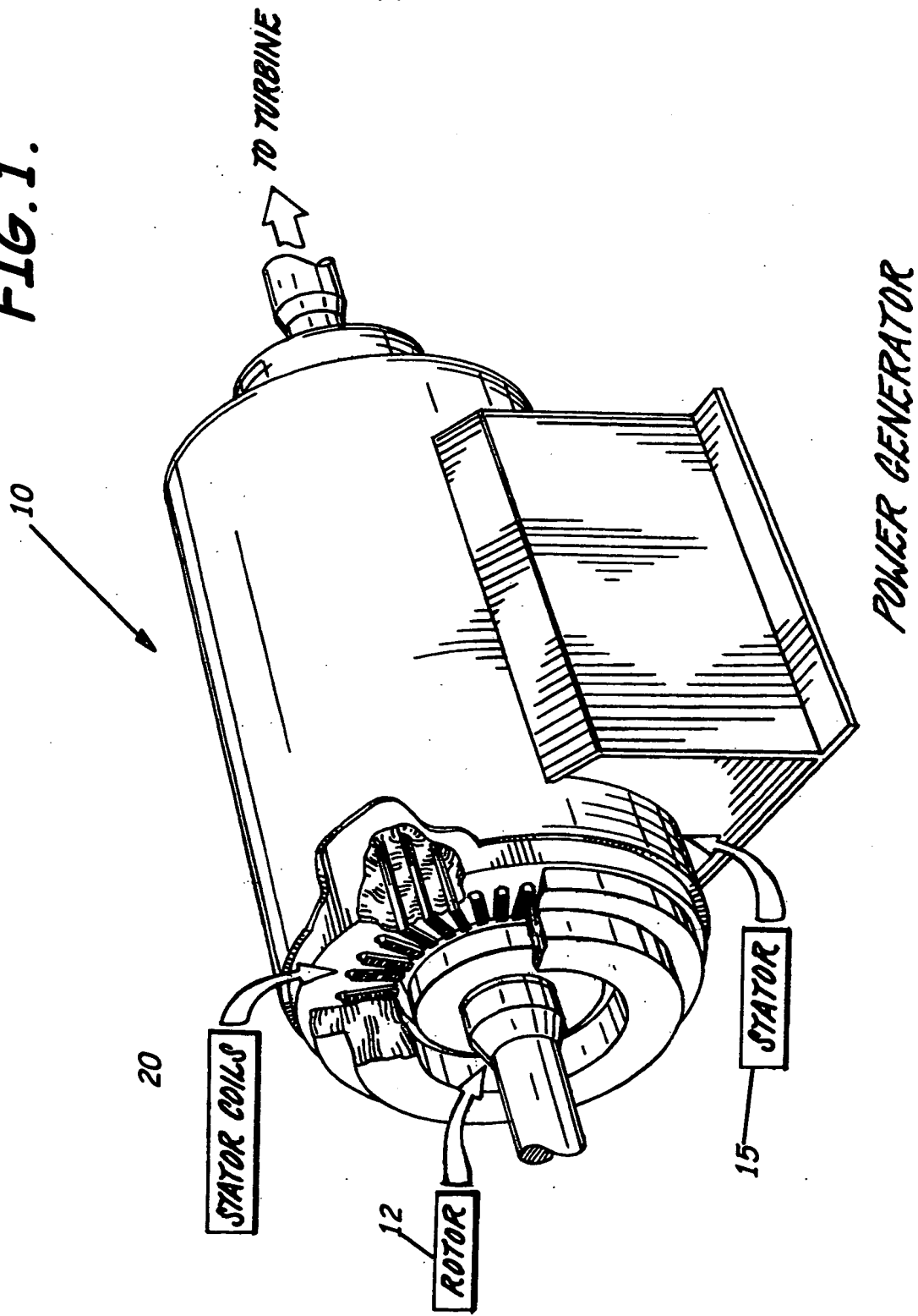


FIG. 1.



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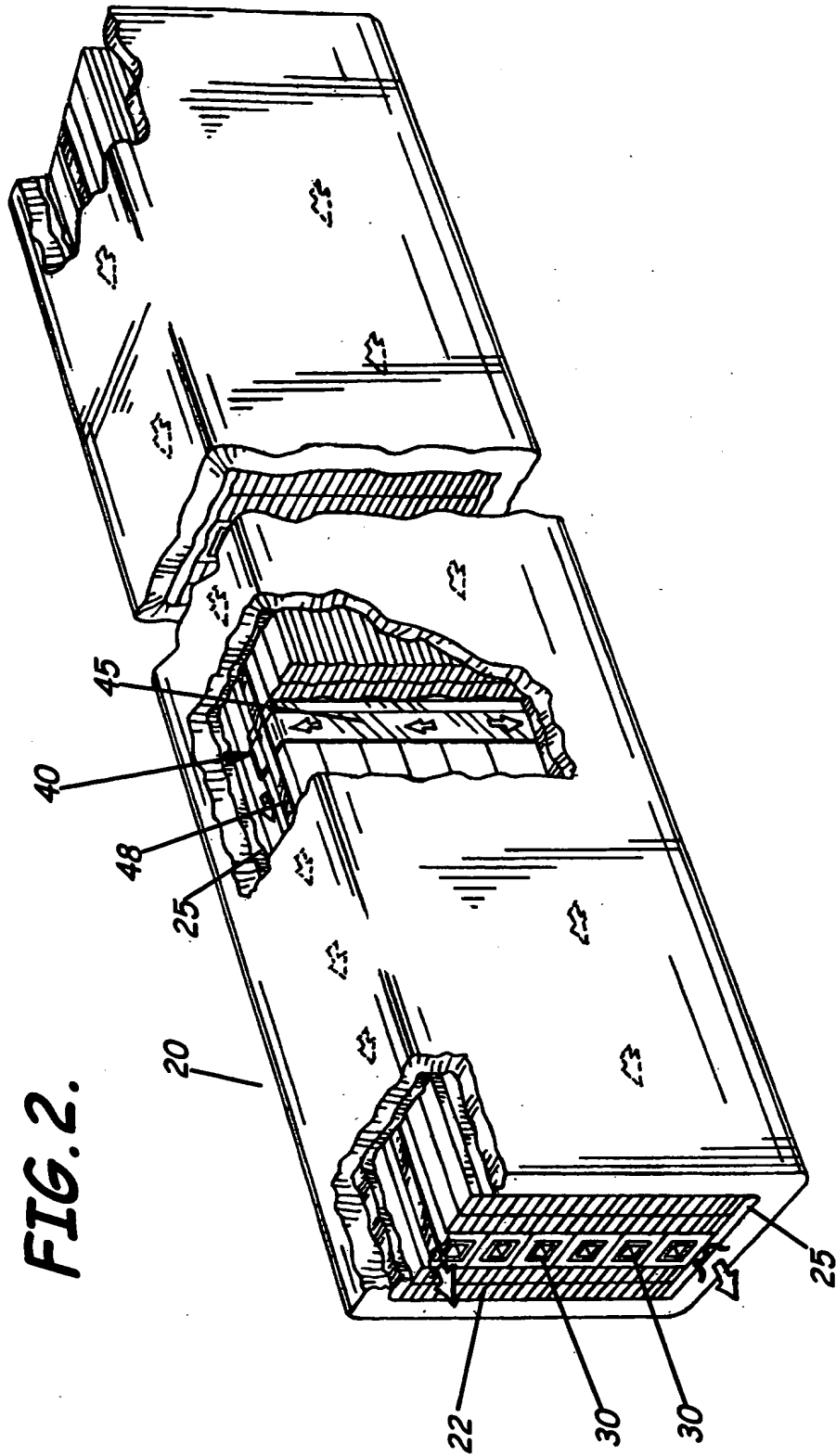
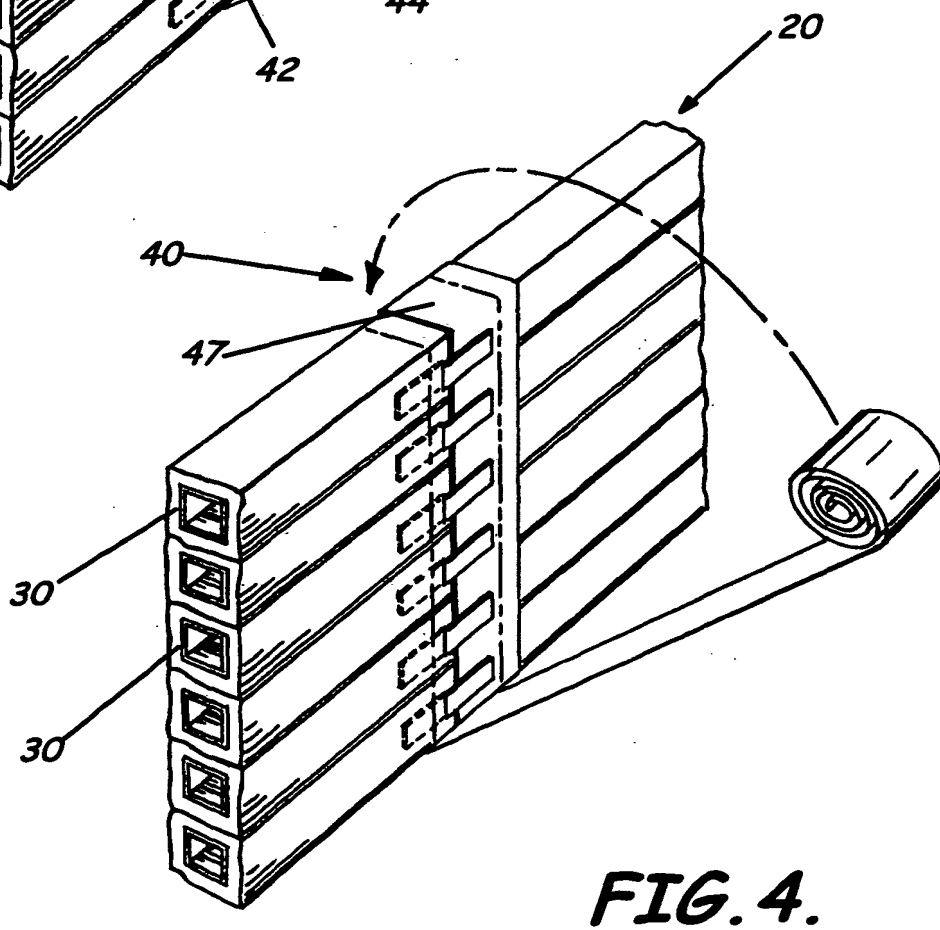
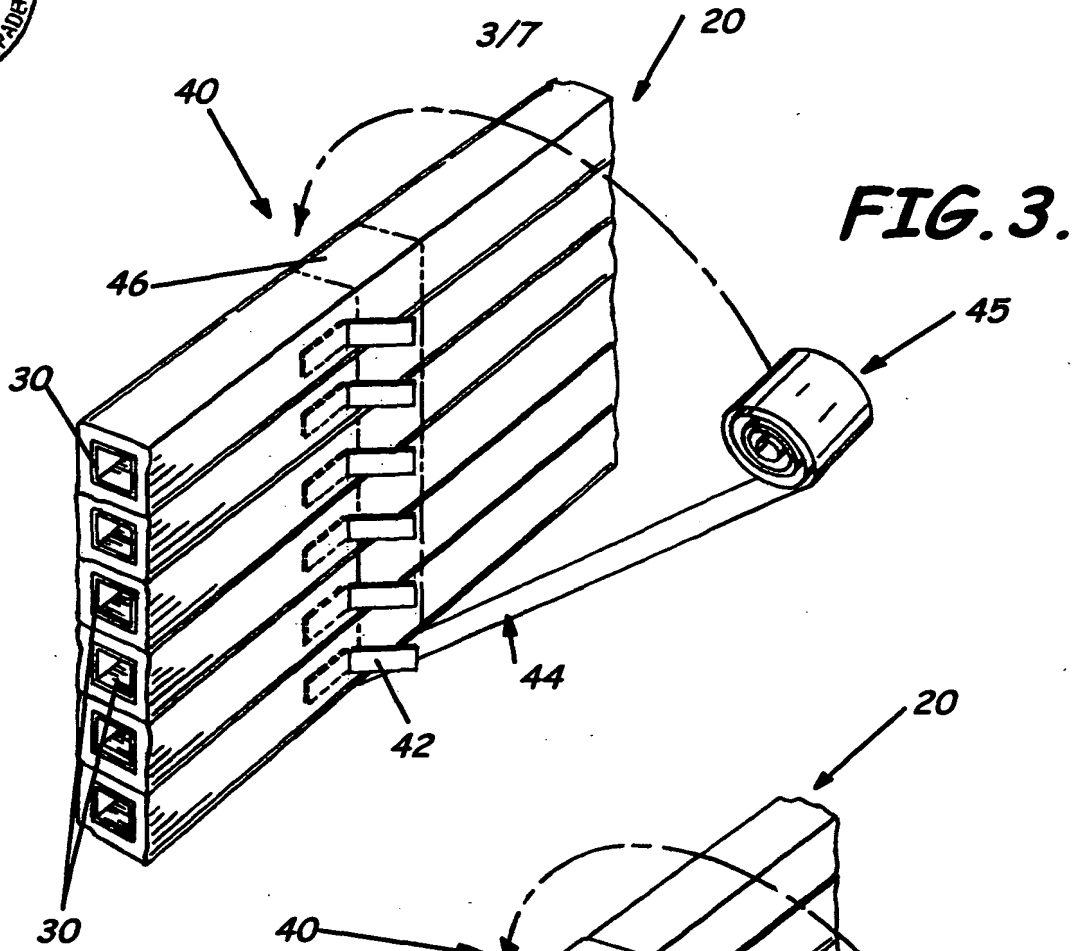
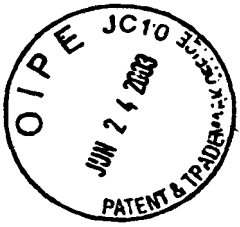


FIG. 2.



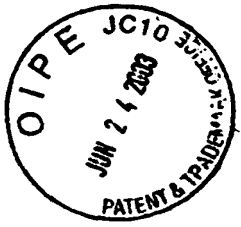


FIG. 5.

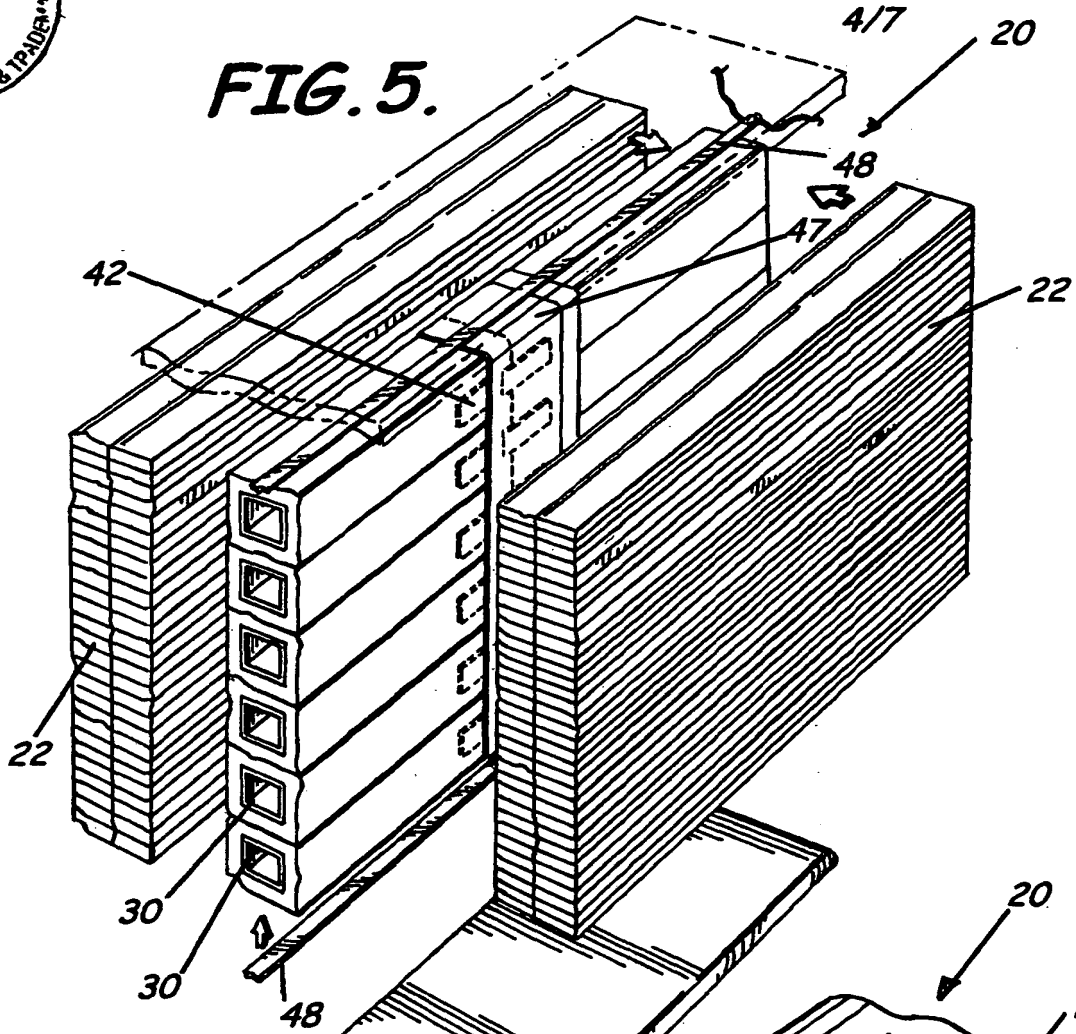
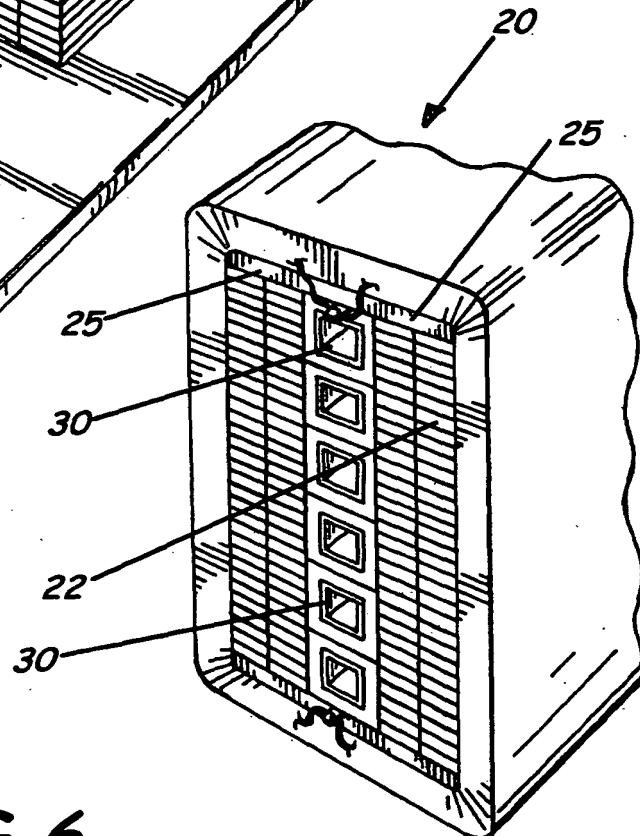
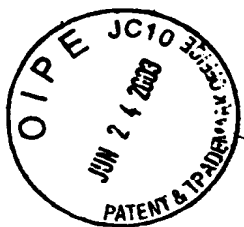
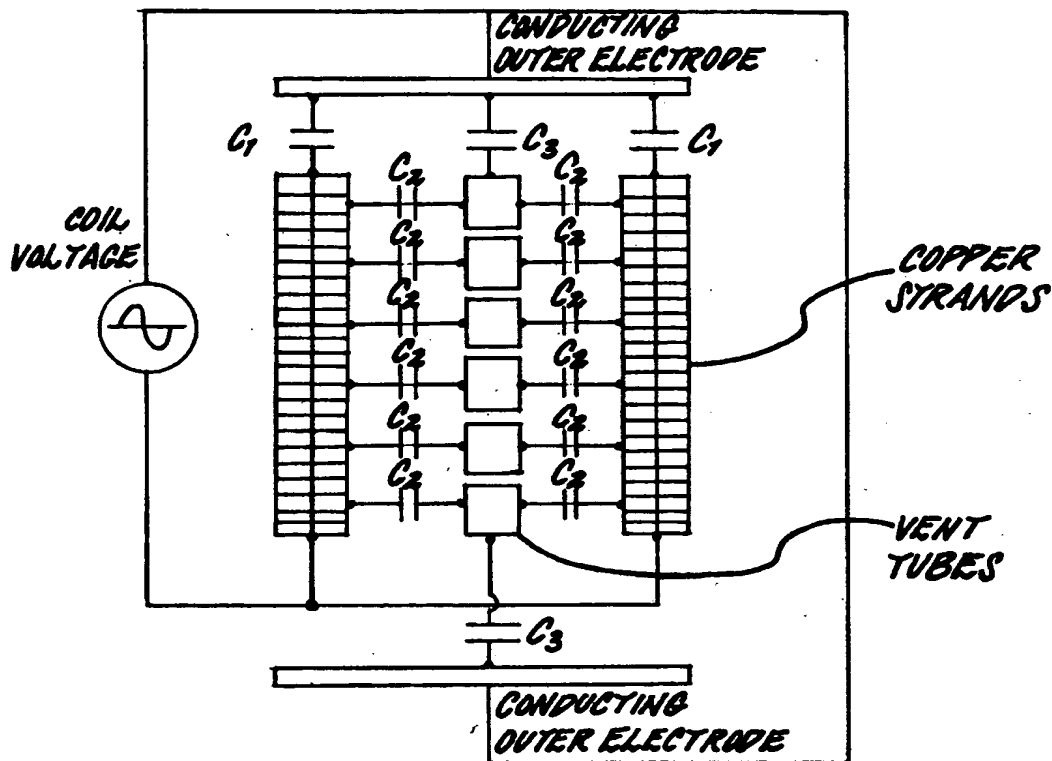


FIG. 6.





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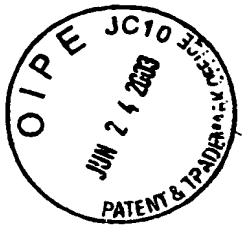


C_1 - CAPACITIVE COUPLING BETWEEN OUTER ELECTRODE TO COPPER STRANDS

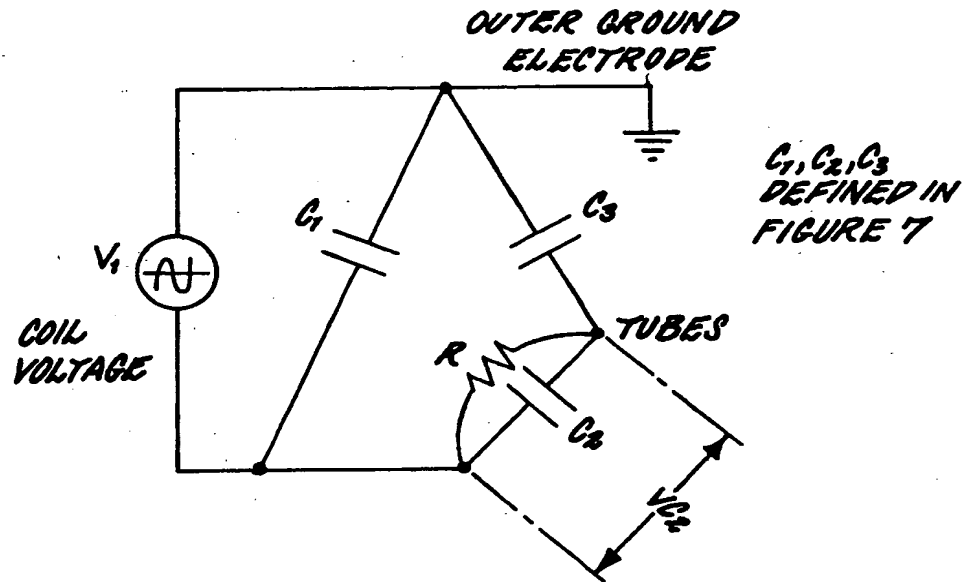
C_2 - CAPACITIVE COUPLING BETWEEN COPPER STRANDS AND ALL COOLING TUBES

C_3 - CAPACITIVE COUPLING BETWEEN OUTER ELECTRODE AND TOP AND BOTTOM TUBES (TOP SURFACE OF TUBES ONLY)

FIG. 7.



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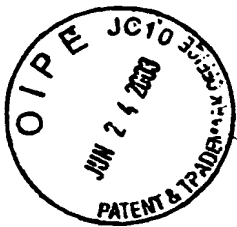
VOLTAGE BETWEEN TUBES AND COPPER = VC_2 WITHOUT R

$$VC_2 = \frac{XC_2}{XC_3 + XC_2} \cdot V_1 \quad X = \text{CAPACITOR REACTANCE}$$

$R \equiv$ VOLTAGE GRADING RESISTOR

$$VC_2 \equiv \frac{R}{XC_3 + R} \cdot V_1 \quad (\text{WITH } R \text{ IN CIRCUIT}) \text{ AND } R \gg XC_2$$

FIG. 8.



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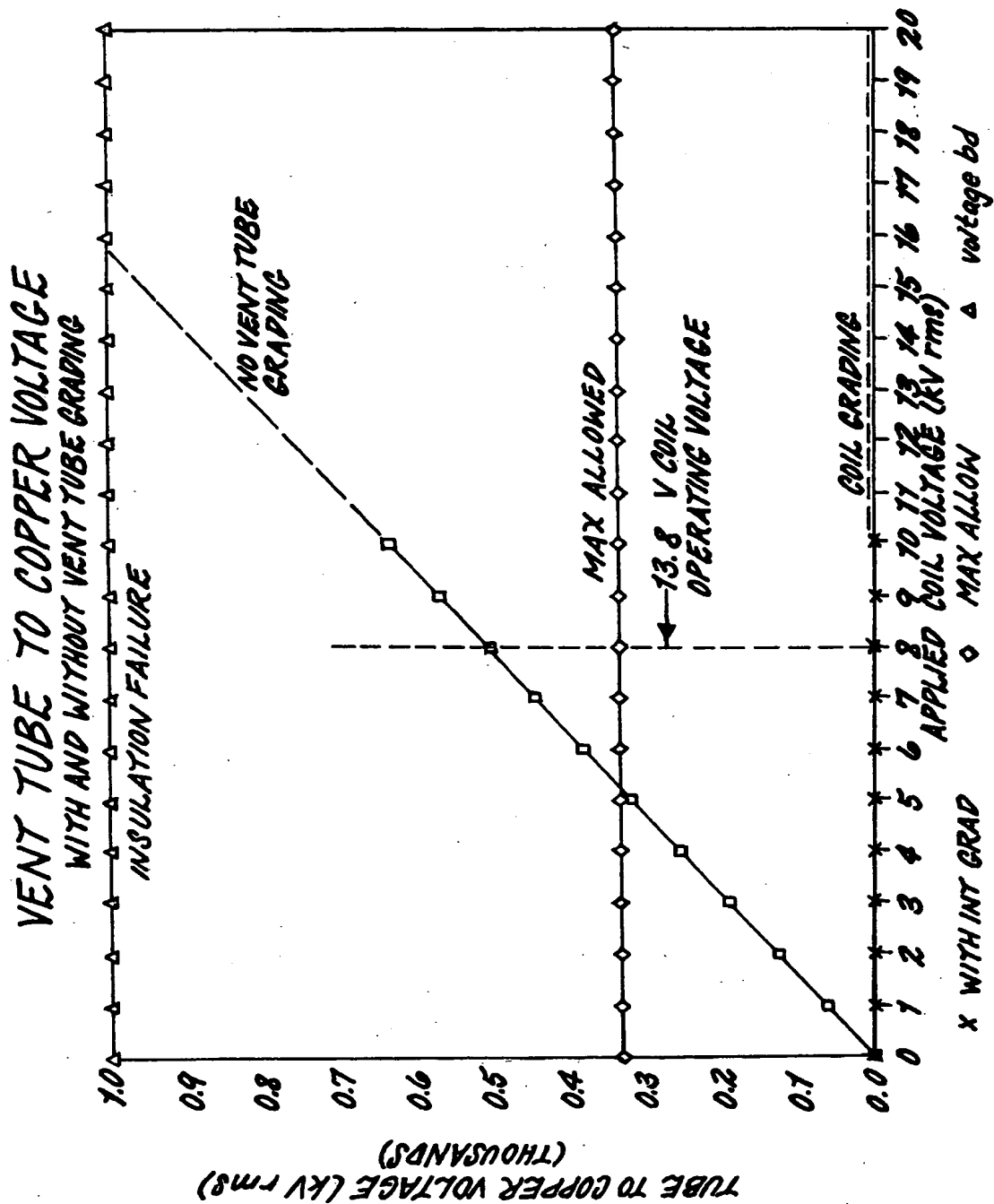


FIG. 9.